



**HOME
THEATER**



HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE



HDMI® HDBaseT Lite Extenders

Vanco Part Number:
280766
280767

Technical Support

www.vanco1.com • info@vanco1.com • 800-626-6445

DEAR CUSTOMER

Thank you for purchasing this product.
For optimum performance and safety, please
read these instructions carefully before
connecting, operating or adjusting this product.
Please keep this manual for future reference.

This product is 100% inspected and tested in the United States
to verify HDMI performance parameters.

WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating, do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms, or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

CAUTION

HDMI is a very complex technology requiring continuous authentication of the signal and the same video resolution and audio settings on all electronic equipment in the system. When there are multiple sources and displays, the video resolution and audio setting on all connected units must be adjusted to correspond with that of the display having the lowest video and audio capability.

Please note that in an indoor environment, the radio frequency signal bounces off the walls, floors and ceiling and may be diminished in strength when passing through interior walls. Also, in congested areas it is also possible to get interference from other signals operating in the 5 GHz band. Sometimes, the transmitter or receiver units may need to be moved slightly to optimize performance if the current location is in an area where reflected radio signals may be cancelling each other out.

FEATURES

The Vanco 280766 and 280767 HDMI HD Base T Lite™ Extenders over 1xUTP consist of a transmitter and a receiver, which can support up to a 70 meter distance (229 ft) between the transmitter and the receiver by utilizing a single Cat 5e or Cat 6 UTP cable. This extender includes a Super IR system, which allows for IR control of the source from the display or of the display from the source. The extender supports HDMI 1080p and 3-D signals, 24 bit/36 bit deep color and various audio formats including Dolby.

The HD Base T Lite™ technology utilized allows the HDMI audio and video signals to travel over a single Cat 5e or Cat 6 UTP cable from the transmitter to the receiver. RJ-45 connectors should be used on the UTP cables and follow the T568B termination format. The UTP also transports Super IR control commands. Please note that Super IR is a proprietary control system, which is not intended to function with other stand-alone IR systems. Supports Standard IR in 38 kHz mode, includes 1 IR TX and 1 IR RX

These HDMI Extenders offer a comprehensive solution for extending the reach in a digital entertainment center, HDTV retail or show-site installation, STB, DVD and projector HDTV signal delivery. The HD Base T™ solution is a very cost effective solution for installations up to 70 meters (229 ft) as compared to the original HD Base T™ solution that can be used for installations up to 100 meters (328 ft).

More information on HD Base T Lite™ technology can be provided by the HD Base T Alliance at www.hdbaset.org. This technology supports HD video, audio, power and a broad range of control capabilities.

HDMI® HDBaseT Lite Extender

Part # 280766



- Features HDBaseT Lite Technology that transmits uncompressed full HD digital video, audio, and control signals through a single 70m/229ft Cat5e/6 cable with RJ45 connectors
- Transmission Range: Extends 1080p resolutions up 229 ft over a single Cat 5e or Cat 6 cable
- Super IR control system, IR transport channel can be forward or backward
- Supports Standard IR in 38 kHz mode, includes 1 IR TX and 1 IR RX
- HDBaseT Technology that supports 3D and 4K x 2K
- Uncompressed video/audio up to 10.2 Gbps
- FullHD1080P
- HDCP compliant
- Supports Digital Audio Format, DTS-HD/Dolby-True HD/LPCM7.1/AC3/DTS/DS
- Tested for Compatibility with all leading HD Video brands
- Tested with 7.1 Home Theater Systems
- (2) 5V DC Power Supplies
- Dimensions for TX and RX: 4.4" W x .9" H x 3" D

HDMI® HDBaseT Lite Wall Plate Extender

Part # 280767



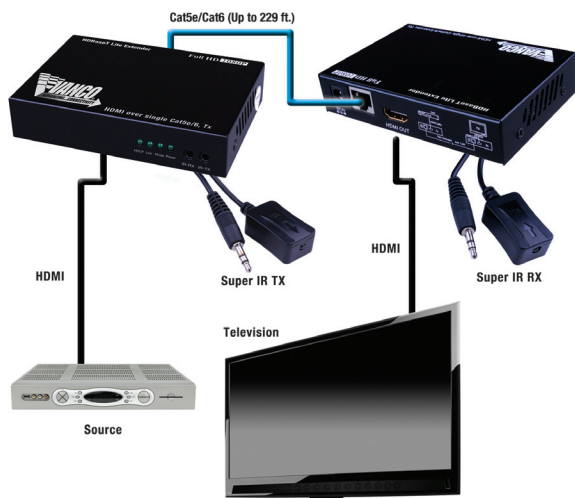
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- FullHD1080P
- HDCP compliant
- Supports Digital Audio Format, DTS-HD/Dolby-True HD/LPCM7.1/AC3/DTS/DSD
- Tested for Compatibility with all leading HD Video brands
- Tested with 7.1 Home Theater Systems
- (2) 5V DC Power Supplies
- Dimensions for TX and RX: 4.5" W x 4.5" H x 1.25" D
- Fits dual-gang box

SPECIFICATIONS

HDMI version	High Speed with 3D support
HDCP version	HDCP1.2
Support HDMI resolution	1080P/1080i/720P/576i/576P/480P/480i
Support video color bit	deep color 24bit/36bit
Support audio format	LPCM/Dolby-AC3/DTS7.1/DSD
Input Video signal	5.0Volts/P-P
Output cable distance.....	≤5m (16 ft)
Input cable distance	≤5m (16 ft)
Operating Humidity range	5 to 95%RH (No Condensation)
Operating Temperature range.....	-15 to +55 C; 5 to 131 F
Power adapter format	Input AC (50Hz.60Hz)100-240V
Power Supply	2 DC 5V

CONNECT AND OPERATE

1. Connect signal source (Blu-Ray, PS3, or cable/satellite receiver) to the HDMI In transmitter port using a short (16 ft or less) HDMI cable.
2. Connect the display (LCD, LED, or Plasma HDTV) to the HDMI Out port of the receiver using a short (16 ft or less) HDMI cable.
3. Connect a long (229 ft or less) Cat 5e or Cat 6 cable to the output RJ-45 jack of the transmitter.
4. Connect the other end of the long Cat 5e or Cat 6 cable to the RJ-45 jack of the receiver.



5. Connect the 5 VDC power supplies to the transmitter and to the receiver.
6. Attach the Super IR TX pigtail to the transmitter and the Super IR RX pigtail to the receiver. Position the IR TX to illuminate the IR receptor of the source and position the IR RX close to the HDTV so that the IR hand-held remote can be easily aimed at it.
7. Turn on the source and the display and check video resolution using the information button on the HDTV hand-held remote.
8. Control the source using its hand-held remote. You can also program a universal remote for these functions.



PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- 1 Transmitter
- 1 Receiver
- 2 5 VDC Power Supplies
- IR TX and RX emitters
- 1 Product Manual

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of one year from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or a uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by e-mail at support@Vanco1.com or call 1-800-626-6445 between the hours of 8am and 5pm central US time zone on Monday through Friday.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theater applications.

For additional information, such as helpful installation videos, glossary of terms, etc. please visit www.vanco1.com

Vanco® International

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